

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10015698 -4

Inventor(s): Blaine D. Gaither

Confirmation No.: 5774

Application No.: 10/649917

Examiner: Bradley, Matthew A.

Filing Date: Aug 28, 2003

Group Art Unit: 2187

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JUL 28 2006

Title: Cache System With Groups Of Lines And With Coherency For Both Single Lines And Groups Of Lines

Mall Stop  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment  
☐ New fee as calculated below  
☒ No additional fee  
☐ Other

- ☐ Petition to extend time to respond  
☐ Supplemental Declaration

Fee\$

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	7	MINUS	20	= 0	X \$50	\$ 0
INDEP. CLAIMS	5	MINUS	7	= 0	X \$200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	<input type="checkbox"/> 1st Month \$120	<input type="checkbox"/> 2nd Month \$450	<input type="checkbox"/> 3rd Month \$1020	<input type="checkbox"/> 4th Month \$1580		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being  
transmitted to the Patent and Trademark Office  
facsimile number (571) 273-8300.  
Date of facsimile: July 28, 2006

Typed Name: Cathi Christensen

Signature: *Cathi Christensen*

Respectfully submitted,

Blaine D. Gaither

By *A. W. Winfield*

Augustus W Winfield

Attorney/Agent for Applicant(s)

Reg No.: 34,046

Date: July 28, 2006

Telephone: 970 898 3142

Rev 10/05 (TransAmdFax)

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## PATENT APPLICATION

ATTORNEY DOCKET NO. 10015698-4

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED  
CENTRAL FAX CENTER  
JUL 28 2006

Inventor(s): Blaine D. Gaither

Serial No.: 10/649,917

Examiner: Bradley, Matthew A.

Filing Date: 08/26/2003

Group Art Unit: 2187

Title: CACHE SYSTEM WITH GROUPS OF LINES AND WITH COHERENCY FOR BOTH  
SINGLE LINES AND GROUPS OF LINES

REMARKS IN RESPONSE TO OFFICE ACTION

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria VA 22313-1450

Sir:

No amendments have been made. Claims 1, 3-4 and 7-10 remain in the application. Claims 4 and 8-10 have been allowed or declared allowable. Reexamination and reconsideration is respectfully requested.

In the paper mailed 07/17/2006, claims 1, 3, and 7 were rejected under 35 USC 102(e) as being anticipated by US Patent Number 6,412,046 (Sharma *et al.*). Applicant respectfully traverses.

Claim 1 specifies a system for maintaining identity of which device, if any, owns the group of lines, and claim 7 specifies maintaining ownership information for the group of lines, and in each of these claims this group identity or ownership information is separate from ownership of the individual lines. In the paper mailed 07/17/2006, the examiner cites three sentences in the background section of Sharma *et al.* discussing known prefetch buffers. Prefetching is also described in an article cited in the background section of the present application. The examiner's arguments regarding claims 1 and 7 do not address ownership of a group of lines separate from ownership of individual lines. Nothing